

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	1	10/827427	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 10:49
L8	1070	(347/40).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/22 10:49
S1	1	10/827427	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:56
S2	466113	liquid adj crystal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:56
S3	66173	("347").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 15:56
S4	3164	S2 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 15:57
S5	31332	nozzle and (cavities cavity chamber channel tank) and (discharge ejection eject) and head and temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:39
S6	718	S4 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:01

## EAST Search History

S7	192282	thermal adj expansion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:02
S8	154	S6 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:02
S9	149	S8 and (mount mounting plate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:33
S10	752176	(mount\$3 attach\$3 bond\$3) same temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:34
S11	6125	S3 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:35
S12	1097	S7 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:35
S13	582	S10 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:35
S14	534	S13 not S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:37

## EAST Search History

S15	517	S14 and plate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:37
S16	187	S14 not silverbrook.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:38
S17	12323	nozzle and (cavities cavity chamber channel tank) and (discharge ejection eject) and head and temperature same (mount\$3 attach\$3 bond\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:08
S18	582	S17 and S3 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:40
S19	534	S18 not S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 16:40
S20	187	S19 not silverbrook.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:00
S21	5004	nozzle and (cavities cavity chamber channel tank) and head and (discharge ejection eject) same temperature same (mount\$3 attach\$3 bond\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:00
S22	163	S21 and S3 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:00

## EAST Search History

S23	147	S22 not S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:00
S24	34	S23 not silverbrook.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:00
S25	8	nozzle and (cavities cavity chamber channel tank) and (discharge ejection eject) and head and (mount nozzle) adj plate and heat\$3 and ((detect same position) (imag\$3 adj device)) and ((driv\$3 adj device) move) and (measure same distance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:34
S26	3961	nozzle and (cavities cavity chamber channel tank) and (discharge ejection eject) and (printhead print adj head head) and (mount nozzle) adj plate and heat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:35
S27	2856	S3 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:35
S28	4473	(detect same position same nozzle) (imag\$3 adj device) and (measure same distance same nozzle) and (move\$4 align\$4 moving)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:47
S29	33	S27 and S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:38
S30	123	(detect same position same nozzle) and (measure same distance same nozzle) and (move\$4 align\$4 moving)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 18:13

## EAST Search History

S31	4	S27 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:48
S32	27	S3 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 17:51
S33	93	(measure near4 distance near4 between near4 nozzle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 18:19
S34	10	S33 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 18:13
S35	3138	((distance near4 between near4 nozzle) pitch (swath adj height)) near4 measure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 18:21
S36	27	S35 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 18:21
S37	8	(US-20040113960-\$ or US-20040246298-\$ or US-20040257399-\$ or US-20030189611-\$).did. or (US-6767084-\$ or US-6789876-\$ or US-6921148-\$ or US-5847722-\$). did.	US-PGPUB; USPAT	OR	ON	2006/05/11 18:36
S38	5924	nozzle and (cavity cavities tank chamber channel) and (printhead print adj head print\$1head head) and (mount nozzle) adj plate	US-PGPUB; USPAT	OR	ON	2006/05/11 18:40
S39	4256	S3 and S38	US-PGPUB; USPAT	OR	ON	2006/05/11 18:40

## EAST Search History

S40	3869	nozzle and (cavity cavities tank chamber) and (tube channel) and (printhead print adj head print\$1head head) and (mount nozzle) adj plate	US-PGPUB; USPAT	OR	ON	2006/05/11 19:13
S41	2817	S3 and S40	US-PGPUB; USPAT	OR	ON	2006/05/11 18:41
S42	2104	S41 and piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 18:42
S43	1067	S41 and piezoelectric	USPAT	OR	ON	2006/05/11 19:10
S44	612	S43 and adhesive	USPAT	OR	ON	2006/05/11 19:10
S45	487	nozzle and (cavity cavities tank chamber) and (tube channel) and (printhead print adj head print\$1head head) and (mount nozzle) adj plate same adhesive	USPAT	OR	ON	2006/05/15 12:21
S47	138	functional adj liquid same ink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 12:21